DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

SEAL-O-FLEX, INC.
2520 Oscar Johnson Dr.
Charleston, SC 29405

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (in Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Sealoflex Roof Systems over Steel Deck.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA #12-0418.03 and consists of pages 1 through 6.
The submitted documentation was reviewed by Gaspar J Rodriguez.

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	Liquid Applied Roof Sytems
Material:	Elastomeric
Deck Type:	Steel
Maximum Design Pressure:	-85 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
Cemflex™	1 or 5 gal.	TAS 114	Additive used to produce Cemflex Slurry, a base liquid coat for use over concrete substrates.
Sealoflex Pink®	1 or 5 gal.	ASTM D6083	Acrylic base and saturation coat.
Metal Etch Primer™	1 or 5 gal.	Proprietary	Primer for all unprotected metal surfaces.
Sealobond Primer™	1 or 5 gal.	Proprietary	Primer for use over painted concrete, wood or steel, or unpainted masonry substrates.
Sealoflex Fabric™		Proprietary	Non-woven polyester reinforcing fabric for use in the Sealoflex roof system.
Sealoflex Finish Coat™	1 or 5 gal.	ASTM D6083	Acrylic roof coating.
Sealoment Plus™	50 lb. bags	Proprietary	Concrete surface treatment.
Sealoflex CT Pink™	1 or 5 gal.	ASTM D6083	Solvent base and saturation coat.
Sealoflex CT Top™	1 or 5 gal.	ASTM D6083	Solvent roof coating.
Corabase™	50 lb. bags	Proprietary	Polymer modified portland cement powder.
Wearcoat™	1 or 5 gal.	Proprietary	Liquid applied emulsion coating (available in smooth or non-skid version containing aggregate).

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
ACFoam-II	Polyisocyanurate foam insulation	Atlas Roofing Corporation
DensDeck	Fire resistant rated gypsum	Georgia-Pacific Gypsum, LLC

APPROVED FASTENERS:

TABLE 3

Fastener #	Product	Description	Dimensions	Manufacturer (With current NOA)
1.	Dekfast 12	Steel, Tuff-Tite (black or purple)	#12 dia. by 8 in. (203 mm) max length	SFS Intec Inc.
2.	Dekfast 14	Carbon Steel, sentri (black)	Various	SFS Intec Inc.
3.	#14 Roofgrip	Carbon Steel, SPEX (black) or Climaseal (blue)	#14 dia. by 8 in. (203 mm) max length	OMG, Inc.
4.	RhinoBond (Retro) Driller	Carbon Steel, CR-10 or Answer Coating (black)	Various	OMG, Inc.

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Description	Date
Dynatech Engineering Corp.	4211-12.94-2	TAS 114D	12/18/94
	4213.04.95-1	TAS 114 H	04/01/95
Exterior Research & Design, LLC.	#7050.02.96-1	TAS 114 H	03/01/96
	#4210.04.96-1	TAS 114 H	05/28/96
	#4451.11.95-1	TAS 114 H	11/14/95
	#4213.07.97-1	TAS 114 D	07/15/97
	#4213.09.00-1R	TAS 114	10/25/05
	4234.05.05	TAS 114	05/04/05
	4235.05.05-2	TAS 114	06/01/05
	#4223.02.03	TAS 114 H	02/27/03
	4210.06.02	TAS 114	06/17/02
	4234.10.05	TAS 114	10/20/05
Factory Mutual Research Corp.	3015470	FM 4470	04/29/04
	3023963	FM 4470	04/20/06
	3018955	FM 4470	09/06/05
Celotex Testing Center, Inc.	MTS Job No. 258211	TAS 143	05/20/98
Trinity | ERD	S35600.11.11	ASTM D6083	11/22/11
	S30750.03.10	ASTM D6083	03/24/10
	S12420.02.10-2-R1	ASTM D6083/TAS 114 H	04/02/10
	S33930.09.11	TAS 103 / TAS 104 TAS 114 D/ASTM D1623	09/14/11
	4235.05.05-1-R1	TAS 114 D/ TAS 114 J	04/30/13
	S44670.04.13-R2	Physical Properties	05/08/13
PRI Asphalt Technologies	SOF-007-02-01	ASTM D6083	07/14/04

APPROVED ASSEMBLIES:

Membrane Type: Liquid Applied Membrane

Deck Type 2I: Steel Insulated

Deck Description: 18-22 ga. steel

System Type B: Base insulation layer mechanically fastened, optional top layer adhered with approved asphalt, followed by Sealoflex System or Sealoflex CT™ System.

All General and System Limitations apply.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
ACFoam-II Minimum 1.5" thick	**Any approved fasteners in table 3**	**1:1.3**

Note: Base layer shall be mechanically attached with fasteners and density described above. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Roofing Application Standard RAS 117 for fastening details).

Top Insulation Layer (Optional)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
DensDeck Minimum: ¼" thick	**N/A**	**N/A**

Note: Apply optional top layer of insulation in a full mopping of any approved mopping hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as Base Layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.

Membrane: Apply Sealoflex Pink® at a rate of 80 ft²/gal followed by Sealoflex Fabric™ with 3" overlaps followed by a saturation coat of Sealoflex Pink® at 80 ft²/gal and, upon drying, two coats of Sealoflex Finish Coat™ at a combined rate of 70 ft²/gal.
Or
Apply Sealoflex CT Pink™ at 60 ft²/gal followed by Sealoflex Fabric™ with 3" overlaps followed by a saturation coat of Sealoflex CT Pink™ at 60 ft²/gal and, upon drying, two coats of Sealoflex CT Top™ at a combined rate of 70 ft²/gal.

Surfacing: (Optional) Apply two coats of Wearcoat™ at a combined rate of 90 ft²/gal or Coraflex™ at a rate of 20 ft²/gal followed by two coats of Wearcoat™ at a combined rated of 90 ft²/gal.

Maximum Design Pressure: **-77.5 psf.** (with base layer of insulation only) (See General Limitations #9)

-85 psf. (base and optional top layer of insulation) (See General Limitations #9)

Membrane Type: Liquid Applied Membrane

Deck Type 2I: Steel Insulated

Deck Description: 18-22 ga. steel

System Type C: All layers of insulation simultaneously attached, followed by Sealoflex System or Sealoflex CT™ System.

All General and System Limitations apply.

Base Insulation Layer (Optional)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
ACFoam-II Minimum 1.5" thick	**N/A**	**N/A**

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
DensDeck Minimum: ¼" thick	**Any approved fasteners in table 3**	**1:1.3**

Note: All layers of insulation shall be mechanically attached with fasteners and density described above. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: Apply Sealoflex Pink® at a rate of 80 ft²/gal followed by Sealoflex Fabric™ with 3" overlaps followed by a saturation coat of Sealoflex Pink® at 80 ft²/gal and, upon drying, two coats of Sealoflex Finish Coat™ at a combined rate of 70 ft²/gal.
Or
Apply Sealoflex CT Pink™ at 60 ft²/gal followed by Sealoflex Fabric™ with 3" overlaps followed by a saturation coat of Sealoflex CT Pink™ at 60 ft²/gal and, upon drying, two coats of Sealoflex CT Top™ at a combined rate of 70 ft²/gal.

Surfacing: (Optional) Apply two coats of Wearcoat™ at a combined rate of 90 ft²/gal or Coraflex™ at a rate of 20 ft²/gal followed by two coats of Wearcoat™ at a combined rated of 90 ft²/gal.

Maximum Design Pressure: **-60 psf.** (See General Limitations #7)

STEEL DECK SYSTEM LIMITATIONS:

1. If mechanical attachment to the structural deck through the lightweight insulating concrete is proposed, a field withdrawal resistance testing shall be performed to determine equivalent or enhanced fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117, calculations shall be signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant.
2. For steel deck application where specific deck construction is not referenced: The deck shall be a minimum 22 gage attached with 5/8" puddle welds with weld washers at every flute with maximum deck spans of 5 ft. o.c.

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each sidelap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq. **Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.**
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform with Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE